

# SEQUENCE LISTING

<110> Nicholas M. Dean  
Susan F. Murray

<120> ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA  
EXPRESSION

<130> ISPH-0607

<150> 09/661,753

<151> 2000-09-14

<150> 60/154,546

<151> 1999-09-17

<160> 71

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gaagtgccgt ggggcgcgc ctcctccc atg ccg ccc tcg ggg ctg cgg cta ctg 894  
Met Pro Pro Ser Gly Leu Arg Leu Leu  
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ccg ctt ctg ctc cca ctc ccg tgg ctt cta gtg ctg acg ccc ggg agg 942  
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cca gcc gcg gga ctc tcc acc tgc aag acc atc gac atg gag ctg gtg 990

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Lys	Arg	Lys	Arg	Ile	Glu	Ala	Ile	Arg	Gly	Gln	Ile	Leu	Ser	Lys	Leu		
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Gly	Val	Val	Arg	Gln	Trp	Leu	Asn	Gln	Gly	Asp	Gly	Ile	Gln	Gly	Phe		
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Val	Glu	Ile	Asn	Gly	Ile	Ser	Pro	Lys	Arg	Arg	Gly	Asp	Leu	Gly	Thr		
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Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys Asn Cys Cys Val Arg Gln	
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Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His Glu	
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Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile	
315 320 325	
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Trp Ser Leu Asp Thr Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln	
330 335 340 345	
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Glu Pro Leu Pro Ile Val Tyr Tyr Val Gly Arg Lys Pro Lys Val Glu	
365 370 375	
cag ttg tcc aac atg att gtg cgc tcc tgc aag tgc agc tga	2040
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 Leu Val Leu Thr Pro Gly Arg Pro Ala Ala Gly Leu Ser Thr Cys Lys  
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acc atc gac atg gag ctg gtg aaa cgg aag cgc atc gaa gcc atc cgt 562  
 Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg Ile Glu Ala Ile Arg  
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 Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser Gln Gly  
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gag gta ccg ccg ggc ccg ctg ccc gag gcg gtg ctc gct ttg tac aac 658  
 Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu Tyr Asn  
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 1 5 10 15  
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 Trp Leu Leu Val Leu Thr Pro Gly Pro Pro Ala Ala Gly Leu Ser Thr  
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35 40 45	
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Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser	
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Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu	
65 70 75 80	
tac aac agc acc cgc gac cgg gtg gcc ggg gag agt gca gaa ccg gag	1129
Tyr Asn Ser Thr Arg Asp Arg Val Ala Gly Glu Ser Ala Glu Pro Glu	
85 90 95	
ccc gag cct gag gcc gac tac tac gcc aag gag gtc acc cgc gtg cta	1177
Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu	
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atg gtg gaa acc cac aac gaa atc tat gac aag ttc aag cag agt aca	1225
Met Val Glu Thr His Asn Glu Ile Tyr Asp Lys Phe Lys Gln Ser Thr	
115 120 125	
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His Ser Ile Tyr Met Phe Phe Asn Thr Ser Glu Leu Arg Glu Ala Val	
130 135 140	
cct gaa ccc gtg ttg ctc tcc cgg gca gag ctg cgt ctg ctg agg agg	1321
Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu Leu Arg Arg	
145 150 155 160	
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Ser Cys Asp Ser Arg Asp Asn Thr Leu Gln Val Asp Ile Asn Gly Phe	
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Thr Thr Gly Arg Arg Gly Asp Leu Ala Thr Ile His Gly Met Asn Arg	
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